GOVERNMENT OF INDIA
MINES
LOK SABHA

UNSTARRED QUESTION NO:1184
ANSWERED ON:09.02.2017
Mapping of Mineral Deposits
Singh Shri Sunil Kumar

Will the Minister of MINES be pleased to state:

(a) whether any survey has been conducted or mapping has been done by the Government with a view to find out new mines;
(b) if so, the details thereof along with mineral deposits in different parts of the country at present;
(c) the future plan of the Government for mining these mineral deposits; and
(d) whether there is any plan for extraction and mapping of mineral deposits in the country especially Jharkhand and if so, the details thereof along with locations identified for the purpose?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) FOR MINES, POWER, COAL AND NEW & RENEWABLE ENERGY (SHRI PIYUSH GOYAL)
(a): Exploration is a continuous process and the estimation of quantity of mineral resources is carried out on the basis of survey/ exploration of minerals. Exploration agencies like Geological Survey of India [GSI], Mineral Exploration Corporation Limited [MECL], State DGMs, State/ Central Undertakings and private sector companies are engaged in the exploration of mineral deposits in the country.
(b): During 2016-17, GSI has taken up a total of 194 mineral exploration programmes in different parts of the country out of which 5 programmes are in the State of Jharkhand. Further, reconnaissance stage mineral exploration of 30 blocks by MECL are under progress out of which 4 blocks are in Jharkhand. As per the information available with Indian Bureau of Mines, the mineral-wise reserves/ resources available in the country is at Annexure.
(c) & (d): Under the Mines and Minerals (Development and Regulation) Amendment Act, 2015, for major minerals, the mineral concession can be allotted through auctioning of two instruments viz. Prospecting Licence−cum−Mining Lease or Mining Lease. The power to grant these mineral concessions vests in the State Governments. Further, for minor minerals, the State Governments are the custodians and mining leases/ licences are granted by them. The extraction of minerals, therefore, depends on the grant of the mineral concessions by the State Government.
Subsequent to the enactment of MMDR Amendment Act, 2015, 21 mining blocks in the States of Andhra Pradesh (1), Chhattisgarh (3), Jharkhand (3), Odisha (3), Rajasthan (3), Karnataka (7) and Madhya Pradesh (1) have been successfully auctioned by the respective State Governments till date. In Jharkhand 2 blocks of limestone in Harihaspura Block-I and Block-II, District Ramgarh and (ii) 1 block of gold in Pahadia, District Singhbhum West have been auctioned.
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ANNEXURE TO LOK SABHA UNSTARRED QUESTION NO.1184 REGARDING 'MAPPING OF MINERAL DEPOSITS' ASKED BY SHRI SUNIL KUMAR SINGH FOR ANSWER ON 09.02.2017

Details of Mineral-wise Reserves/ Resources available in the country
as on 01.04.2010/ 2013*

Sl. No	Mineral	Unit	Reserves	Remaining Resources	Total Resources
1	Alexandrite	-	N. E.	N. E.	N. E.
2	Andalusite	000' tonnes	-	18,450	18,450
3	Antimony*				
	Ore	tonnes	-	10,588	10,588
	Metal	-	174		174
4	Apatite*	tonnes	30,792	22,630,348	22,661,140
5	Asbestos	tonnes	2,510,841	19,655,762	22,166,603
6	Ball clay	tonnes	16,777,842	66,615,662	83,393,504
7	Barytes	tonnes	31,584,128	41,149,746	72,733,874
8	Bauxite*	000' tonnes	830,195	2,908,856	3,739,051
9	Bentonite	tonnes	25,060,508	543,306,838	568,367,346
10	Borax	tonnes	-	74,204	74,204
11	Calcite	tonnes	2,664,338	18,281,110	20,945,448
12	Chalk	000' tonnes	4,332	585	4,917
13	China clay	000' tonnes	177,158	2,528,049	2,705,207
14	Chromite*	000' tonnes	107,221	214,530	321,751
15	Cobalt (Ore)*	Million tonnes	-	44.91	44.91
16	Copper*				
	Ore	000' tonnes	237,573	1,273,445	1,511,018

Metal 2,996.97 9,221.56 12,218.53

17 Corundum* tonnes 598 267,219 267,816
18 Diamond* carats 984,875 30,876,432 31,861,307

19 Diaspore tonnes 2,859,674 3,125,144 5,984,818
20 Diatomite 000' tonnes - 2,885 2,885
21 Dolomite* 000' tonnes 783,905 7,300,667 8,084,572
22 Dunite 000' tonnes 17,137 168,232 185,369
23 Emerald - N. E. N. E. N. E.
24 Feldspar tonnes 44,503,240 87,832,212 132,335,452
25 Fire clay 000' tonnes 30,104 683,415 713,519
26 Fluorite* tonnes 4,573,348 13,614,193 18,187,541

27 Fullers Earth tonnes 58,200 256,593,879 256,652,079
28 Garnet tonnes 19,324,793 37,638,032 56,962,824
29 Gold*
Ore (Primary) tonnes 14,615,965 480,188,061 494,804,026

Metal (Primary) 71.91 568.48 640.39
Ore (Placer) - 26,121,000 26,121,000
Metal (Placer) - 5.86 5.86
30 Granite (Dimension Stone) 000' cum 263,692 45,966,608 46,230,300
31 Graphite* tonnes 8,468,677 180,204,794 188,673,471

32 Gypsum 000' tonnes 39,096 1,247,402 1,286,498
33 Iron Ore *
Haematite 000' tonnes 6,608,287 13,967,420 20,575,707

34 Iron Ore*
Magnetite 000' tonnes 34,592 10,712,763 10,747,355
35 Kyanite tonnes 1,574,853 101,670,767 103,245,620
36 Laterite* 000' tonnes 59,898 498,777 558,675

37 Lead and zinc*
Ore 000' tonnes 102,795 606,248 709,043
Metal Lead 2,114.91 9,888.89 12,003.80
Zinc 10,893.10 24,963.00 35,856.10
Lead +Zinc 0 140.82 140.82
Contd.2/--

Sl. No Mineral Unit Reserves Remaining Resources Total Resources
38 Limestone 000' tonnes 14,926,392 170,008,720 184,935,112

39 Magnesite* 000' tonnes 20,773 307,339 328,111
40 Manganese ore* 000' tonnes 95,872 379,314 475,186
41 Marble 000' tonnes 276,495 1,654,968 1,931,463
42 Marl tonnes 139,976,150 11,704,870 151,681,020
43 Mica Kg. 190,741,448 341,495,531 532,236,979
44 Molybdenum *
Ore tonnes
- 19,371,698 19,371,698
Contained MoS2 12,668.37 12,668.37
45 Nickel (Ore)* Million tonnes - 188.71 188.71
46 Ochre tonnes 54,942,176 89,319,089 144,261,265
47 Perlite 000'tonnes 428 1,978 2,406
48 PGM (Metal) tonnes of metal content - 15.7 15.7
49 Potash Million tonnes - 21,816 21,816
50 Pyrite 000' tonnes - 1,674,401 1,674,401
51 Pyrophyllite tonnes 23,275,451 32,807,451 56,082,902
52 Quartz/ Silica Sand 000' tonnes 429,223 3,069,808 3,499,031
53 Quartzite 000' tonnes 86,599 1,164,649 1,251,248
54 Rock Phosphate* tonnes 65,391,551 249,119,998 314,511,549
55 Rock Salt 000' tonnes 16,026 - 16,026
56 Ruby Kg 236 5,112 5,348
57 Sapphire Kg - 450 450
58 Shale 000' tonnes 15,331 580 15,911
59 Sillimanite tonnes 4,085,052 62,902,385 66,987,437
60 Silver*

Ore tonnes 118,281,065 401,288,894 519,569,959

Metal 7,907.97 21,880.38 29,788.35

61 Slate 000' tonnes 0 2,369 2,369
62 Sulphur (Native) 000' tonnes - 210 210
63 Talc/Steatite/
Soapst 000' tonnes 90,026 178,996 269,022
64 Tin*
Ore tonnes
6,973 83,719,193 83,726,166
Metal 1,181.19 101,093.65 102,274.84
65 Titanium minerals tonnes 22,030,223 371,965,694 393,995,917
66 Tungsten*
Ore tonnes - 87,387,464 87,387,464
Contained WO3 - 142,094.35 142,094.35
67 Vanadium*
Ore tonnes
- 24,633,855 24,633,855
Contained V2O5 - 64,594 64,594
68 Vermiculite tonnes 1,704,007 803,003 2,507,010
69 Wollastonite tonnes 2,487,122 14,082,751 16,569,873
70 Zircon tonnes 1,347,470 1,786,482 3,133,952
Figures rounded off.
N.E = Not Estimated
* Reserves/resources as on 1-04-2013.